



[Rapid Deployment PTZ]

USER MANUAL

catalogue

Safety instructions.....	1
Parameter.....	2
Factory Default Parameter.....	4
1. CAMERA.....	4
2. 4G ROUTER.....	4
3. WIFI.....	4
Power Switch Description.....	5
LCD Description.....	6
Card Slot Description.....	6
Command Table.....	7
WIFI Connection.....	8
4G Indication.....	10
1. Setting preparation.....	11
2. Working mode.....	13
3. Wireless safety.....	21
4. System service.....	25
5. Admin.....	28
Installation.....	31
Fixed Mounts	31
Installation Overview.....	32
Camera Connections.....	32
Camera Mounting.....	33

Safety instructions



WARNING!

Installation and removal of the unit and its accessories must be carried out by qualified personnel.

You must read all of the Safety Instructions supplied with your equipment before installation and operation.

If the product does not work properly, please contact your dealer. Never attempt to disassemble the camera yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

- To reduce the risk of fire or electrical shock, do not expose this product to rain or moisture.
- This installation should be made by a qualified service person and should conform to all the local codes.
- Please make sure that the ceiling can support more than 50(N) Newton gravities if the camera is fixed to the ceiling.
- Make sure the power supply voltage is correct before using the camera.
- Do not drop the camera or subject it to physical shock.
- Do not touch sensor modules with fingers. If cleaning is necessary, use a clean cloth with a bit of ethanol and wipe it gently. If the camera will not be used for an extended period of time, put on the lens cap to protect the sensor from dirt.
- Do not aim the camera lens at the strong light such as sun or incandescent lamp. The strong light can cause fatal damage to the camera.
- The sensor may be burned out by a laser beam, so when any laser equipment is being used, make sure that the surface of the sensor not be exposed to the laser beam.
- While shipping, the camera should be packed in its original packing.

Parameter

CAMERA	
Image Sensor	1/2.8" Progressive Scan CMOS, 2MP
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
Scanning System	Progressive
Minimum Illumination	Color: 0.005Lux@F1.6; W/B: 0.0005Lux@F1.6
LENS	
Focal Length	Focal Length 4.3mm~139mm
Max. Aperture	Max. Aperture F1.6 ~ F5.0
Shutter	Auto/Manual; shutter time: 1/6 s ~ 1/8000 s
Optical Zoom	Optical Zoom 30x
Focus Control	Focus Control Auto/Manual
WIFI	
protocol standards	IEEE 802.11b /IEEE 802.11g/IEEE 802. 11n
antenna	3dBi omni -directional antenna
rate	150Mbps
frequency	2.4GHz
channel selecting	1 -13
bandwidth	20/40MHzoptional
security	64/ 128 BITWEP encryption ; WPA - PSK/WPA2 -PSK、WPA- PSK、WPA2-PSK
Battery	
Work time	6Hours
4G	
Band	LTE-TDD/LTE-FDD/TD-SCDMA/EVDO/EDEG/GPRS/GSM/CDMA
PTZ	
Pan Range	360°endless
Pan Speed	0.05°~80°
Tilt Range	-25°~90°
Tilt Speed	0.05°~60°
Number of Preset	255

Patrol	6 patrols, up to 18 presets per patrol
Pattern	4 , with the total recording time not less than 10 minutes
Power loss recovery	Support
Infrared	
IR distance	Up to 50m
IR intensity	Automatically adjusted, depending on the zoom ratio
Video	
Compression	H.265/H.264 / MJPEG
Streaming Capability	3 Streams
Day/Night	Auto(ICR) / Color / B/W
Backlight Compensation	BLC / HLC / WDR(120dB)
White Balance	Auto,ATW,Indoor,Outdoor,Manual
Gain Control	Auto / Manual
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4/IPv6,HTTP,HTTPS,SSL,TCP/IP, UDP,UPnP, ICMP,IGMP,SNMP,RTSP,RTP, SMTP, NTP,DHCP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS,Bonjour,802.1x
Interoperability	ONVIF, PSIA, CGI
Web Viewer	IE10/Google/Firefox/Safari...
Management Software	Smart PSS, DSS
General	
Power	DC12-24V (Wide voltage input), 36W (Max)
Working temperature	-40 °C-60°C
Humidity	90% or less
Protection level	IP66, TVS 4000V Lightning protection, surge protection, voltage transient protection
Mount option	Mast mount, vibration damper optional
Weight	3KG
Dimensions	Φ147(mm)×253(mm)

Factory Default Parameter

1. CAMERA

IP Address	192.168.1.108
User Name	admin
Password	admin

2. 4G ROUTER

IP Address	192.168.1.1
User Name	admin
Password	admin

3. WIFI

SSID	Wifi-7628-XXXX
Password	admin

Power Switch Description

Button

1.1 Boot:

Press and hold the switch button for a few seconds(3s~9s), the LED indicator turns to green.

Release the button and the device will be powered on.

1.2 Shutdown:

When the device is powered on, Press and hold the switch button for a few seconds((3s~10s), the LED indicator goes out.

Then release the button, the device is turned off.

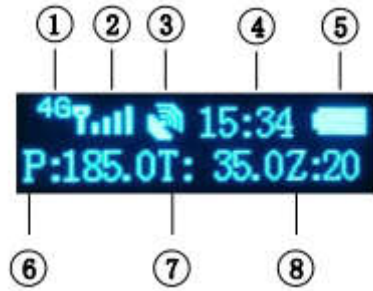
1.3 Charging:

The power source voltage should be within DC9-24V, less than 48W power supply.

The battery should be charged under temperature below 60 °C.

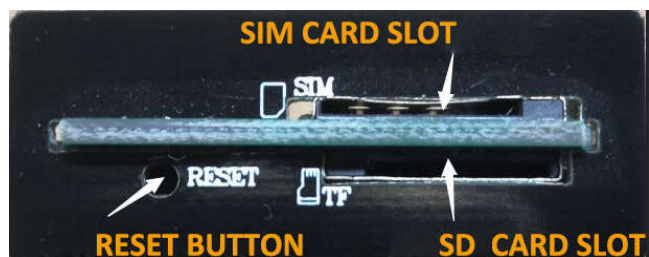
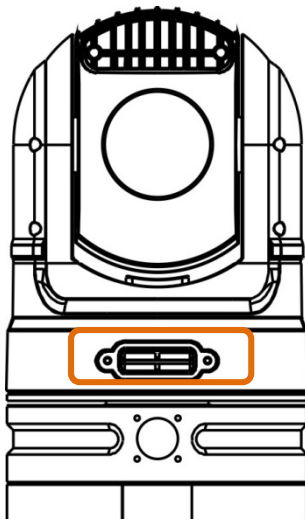
Note: Battery can be fully recharged from drained, in 4 hours.

LCD Description



No.	Details
1	Signal type
2	Signal Status Bar
3	GPS Status
4	Time Display
5	Battery Display
6	Pan Position
7	Tilt Position
8	Zoom Status

Card Slot Description



Network Connection

Before accessing a network camera (also known as IP Camera or IPC) from a PC, you need to connect the network camera to the PC directly with a network cable or via a switch or router.

IP Address: 192.168.1.108

User name: admin

Password : admin

Command Table

Command	Function
Call 69	Day/Night auto shift
Call 71	Day Mode
Call 72	Night Mode
Call 77	Reboot
Call 78	Low Power Mode
Call 79	Medium power mode
Call 80	High power mode
auxiliary switch 3	Turn on/off Fan
auxiliary switch 4	Turn on/off Heate

WIFI Connection

Note: Get your device connect to PTZ hotspot, SSID "Wifi-Module-XXXXXX", PW:12345678

Wi-Fi Connect is an application that enables easy access to router inside camera, commonly known as Wi-Fi hotspots.

Downloading and Installation:

App available for Android, iOS, Blackberry, Symbian, Windows Mobile and Windows 7 mobile .

From your compatible Smartphone, access the App Marketplace and download the free App. This may also be listed as:


iDMSS lite for Apple iOS
gDMSS lite for Android
DMSS lite for others

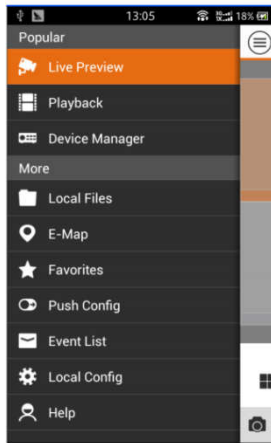
iDMSS plus for Apple iOS
gDMSS plus for Android



1. Main Menu . Open app, you will see Live Preview interface .



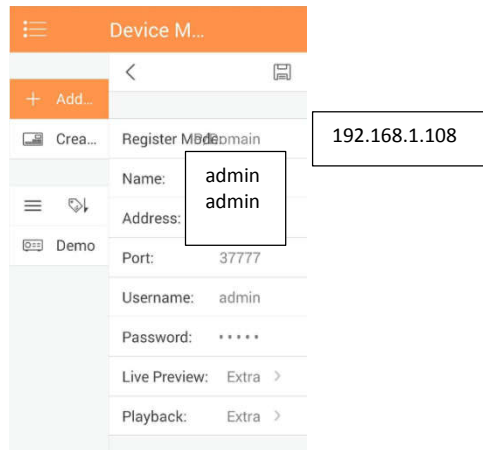
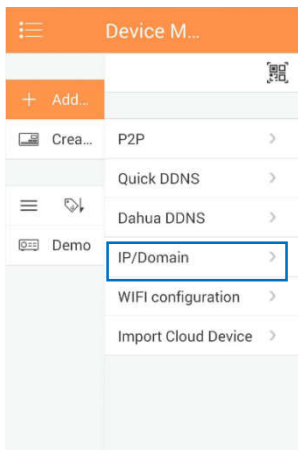
2. Click on  system displays main menu interface .



3. User can click on function in main menu to enter corresponding function interface.

Main functions includes: Live Preview, Playback, Device Manager, Local Files, E-Map, Favorites, Push Config, Event List, Local Config and Help.

4. To add device:



4G Indication

Router IP address: 192.168.1.1

user name: admin

password: admin

1. Setting preparation

1.1 Connecting equipment

connect ptz to computer;

1.2 IP address setting.

Before access to the web setting, we advise you to set your computer into obtain IP address and DNS IP address automatically. Router can assign IP address automatically. If you want to assign static IP address to the computer , you need to set your computer and router of LAN port IP address into a same subnet .

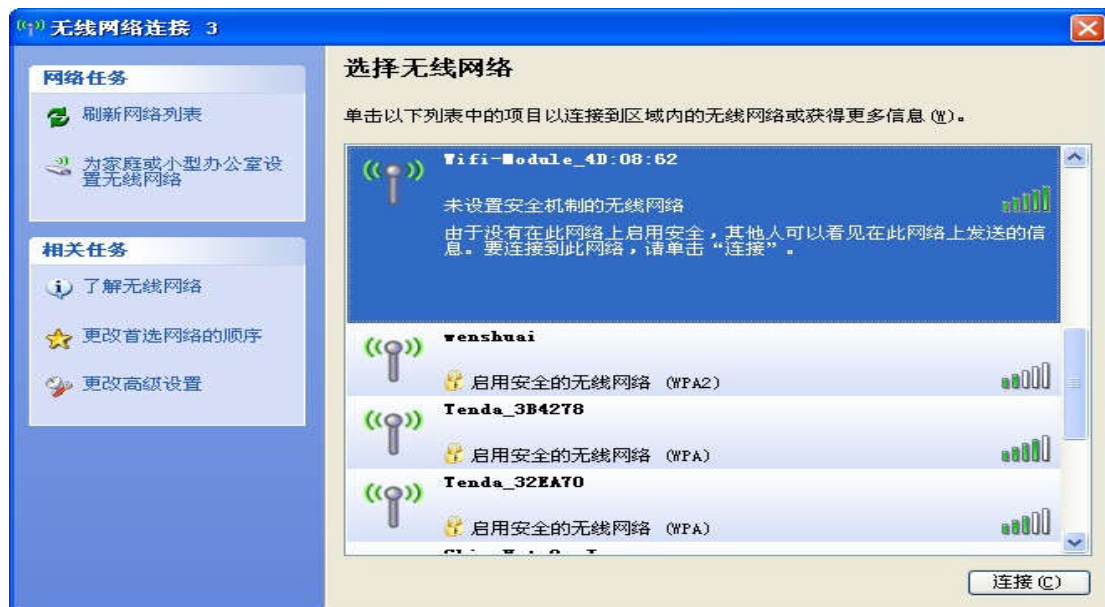
Default IP address : 192.168.1.1;

Subnet mask: 255.255.255.0.

1.3 Wifi connection

Check your List of available WLANs, select“Wifi-modulexxxx”, then click“connection”

Password :12345678;



1.4 Router login

Typing 192.168.1.1 on browser,

User name: admin

Password: admin

1.5 Enter web setting

Enter web setting when you successfully login , Then set and management router .

Status | Mode | 3G/4G | VPN | LAN | Wireless | Security | Server | Routing | Admin | Logout

Summary Log Interface

REFRESH

Help
Summary: Show current status and configurations of the router.

Work Mode	3G/4G Wireless Router Mode
3G/4G Connect	Auto Select
3G/4G ISP	WCDMA
Signal	70%
SIM/UIM Status	Available
3G/4G Service	Valid service
3G/4G Network	LTE

WAN Info:

Connection Type	3G/4G Wireless Dial Up(Connected)	CONNECT	DISCONNECT
IP Address	10.92.111.239		
Subnet Mask	255.255.255.224		
Gateway	10.92.111.225		
DNS 1	210.21.4.130		
DNS 2	221.5.88.88		
MAC Address	00:B0:C0:5A:97:43		
Keep Time	03:09:47		

LAN Info:

IP Address	192.168.10.1
Subnet Mask	255.255.255.0
DHCP Server	Enable
MAC Address	00:B0:C0:5A:97:42

3G/4G Module:

Name	3G/4G Device
Manufacturer	Android
Product	Android
VID/PID	5c6/9025

Internet Time: 07/01/2016 Thu 14:37:22

2. Working mode

4 types of working mode :


- 3G/4G/4G wireless router mode (Default Mode);
- standard wireless router mode.
- Wireless AP+Wireless, customer end bridge mode
- Wireless AP+Wireless, customer end mode:

Status | Mode | 3G/4G | VPN | LAN | Wireless | Security | Server | Routing | Admin | Logout

Mode

Device Work Mode

3G/4G Wireless Router Mode
Wireless and ethernet port connect to local network, The 3G/4G USB modem connect to internet.




Standard Wireless Router Mode
Wireless connect to local network, The ethernet connect to internet.



Standard Wireless AP and APClient Bridge Mode
Wireless work for access point, APClient connect remote AP, Ethernet connect to local network.



Wireless AP Client Mode
Ethernet Wireless connect PC or local network, Another Wireless Interface work for a WAN port connect to other wireless AP or router.



APPLY CANCEL

Help
WorkMode: Choice the device work mode. if choice 'Smart Mode', The device will detect wan mode automatically. The priority as: 3G/4G --> DHCP --> PPPoE --> AP-Client. Please input parameters in different mode at first.

2.1 3G/4G wireless router mode

Insert 3G/4G SIM card , Router will search 3G/4G internet automatically .You can also define the internet supplier.

Status | Mode | **3G/4G** | VPN | LAN | Wireless | Security | Server | Routing | Admin | Logout

▶ Setup Break-Detection DDNS

3G/4G setup

Dial Device	<input checked="" type="radio"/> 3G/4G Device <input type="radio"/> UART1
Auto select 3G/4G ISP	<input checked="" type="checkbox"/>
3G/4G ISP	WCDMA
APN	3gnet
Pin Code	
Dialed Number	*99#
Username	
Password	
Authentication	<input checked="" type="radio"/> Auto <input type="radio"/> CHAP <input type="radio"/> PAP
Auto Dial-up	<input checked="" type="checkbox"/>
Router will reboot after dial:	5 times failed. (0 will disabled)
Extra AT cmd	(If there are more then one AT cmd, please use ';')
Primary DNS Server	
Secondary DNS Server	(Optional)
Network Type	Auto

APPLY CANCEL

Help
3G/4G setup:
Setup 3G/4G modem dial information.if enable 'Auto select 3G/4G ISP',The device will automatic input ISP dial information by IMSI. But the fuction olny use for Chinese ISP.

2.2 Wire connection standard router mode

- **Static internet connection mode**

Entering working mode to choose standard router mode, Choose static IP address under WAN setting windows. Click IP address and net mask , gateway and DNS which ISP provided. Then apply .

The screenshot shows the WAN Setup configuration page. At the top, there is a navigation bar with tabs: Status, Mode, WAN (selected), VPN, LAN, Wireless, Security, Server, Routing, Admin, and Logout. Below this is a sub-menu bar with tabs: Setup (selected), Break-Detection, MAC-Clone, and DDNS. The main content area is titled "WAN Setup" and contains the following fields:

- Connection Type: STATIC (fixed IP) (dropdown menu)
- IP Address: 0.0.0.0 (text input)
- Subnet Mask: 0.0.0.0 (text input)
- Default Gateway: 0.0.0.0 (text input)
- MTU: 1500 (text input) with a range of (576~1500)
- Primary DNS Server: (text input)
- Secondary DNS Server: (text input) with a note "(Optional)"

At the bottom right of the form are two buttons: "APPLY" and "CANCEL". To the right of the form is a "Help" section with the text: "Static IP Settings: Setup IP, Subnet Mask and Gateway provided by your ISP. MTU is the Maximum Transmission Unit of a network. DNS server address must be entered manually and also must be only one." At the very bottom of the page is a footer: "Copyright 2013. All right reserved".

- **Dynamic internet connection way**

Entering working mode to choose standard router mode, Choose dynamic IP address under WAN setting windows. Click apply button ,then the router will obtain ISP assigned parameter automatically .

The screenshot shows the WAN Setup configuration page for dynamic IP. The navigation and sub-menu bars are identical to the previous screenshot. The "WAN Setup" section contains the following fields:

- Connection Type: DHCP (Auto config) (dropdown menu)
- MTU: 1500 (text input) with a range of (576~1500)
- Primary DNS Server: (text input) with a note "(Optional)"
- Secondary DNS Server: (text input) with a note "(Optional)"
- Hostname: (text input) with a note "(Optional)"

At the bottom right of the form are two buttons: "APPLY" and "CANCEL". To the right of the form is a "Help" section with the text: "WAN Setup: MTU is the Maximum Transmission Unit of a network. You can setup DNS server address to obtain it manually or the one provided by ISP." At the very bottom of the page is a footer: "Copyright 2013. All right reserved".

- **PPPoE internet connection way**

Entering working mode to choose standard router mode, Choose the PPPoE under WAN setting and fill user name, password that ISP offer . Click apply button;

The screenshot shows a web-based configuration interface for a router. At the top, there is a navigation menu with tabs: Status, Mode, WAN (selected), VPN, LAN, Wireless, Security, Server, Routing, Admin, and Logout. Below this is a sub-menu with tabs: Setup (selected), Break-Detection, MAC-Clone, and DDNS. The main content area is titled "WAN Setup" and contains the following fields:

- Connection Type: A dropdown menu set to "PPPoE (ADSL)".
- PPPoE Username: A text input field containing "PPPoE".
- PPPoE Password: A text input field with masked characters "••••••••".
- MTU: A text input field containing "1492", with "(546~1492)" displayed to its right.
- Primary DNS Server: A text input field with "(Optional)" to its right.
- Secondary DNS Server: A text input field with "(Optional)" to its right.
- Hostname: A text input field with "(Optional)" to its right.
- Service Name: A text input field with "(Optional)" to its right.

At the bottom right of the form are two buttons: "APPLY" and "CANCEL". To the right of the form is a blue sidebar titled "Help" with the following text:

Help
PPPoE Settings:
Enter username and password provided by your ISP. MTU is the Maximum Transmission Unit of a network. You can setup DNS server address to obtain it manually or to use it provided by ISP. Server name is the name of your ISP and generally it's not required to fill in.

At the very bottom of the page, a blue footer bar contains the text: "Copyright 2013.All right reserved".

2.3 Wireless AP+ Customer end bridge mode

Treat 4G router as a bridge connection for AP using, it's used as bridge connection of former grade wireless router .

- Set your computer's IP address into 192.168.10.100, entering Web by wire connect LAN2 connector, enter Web ,Choose wireless AP+ Customer end bridge mode .

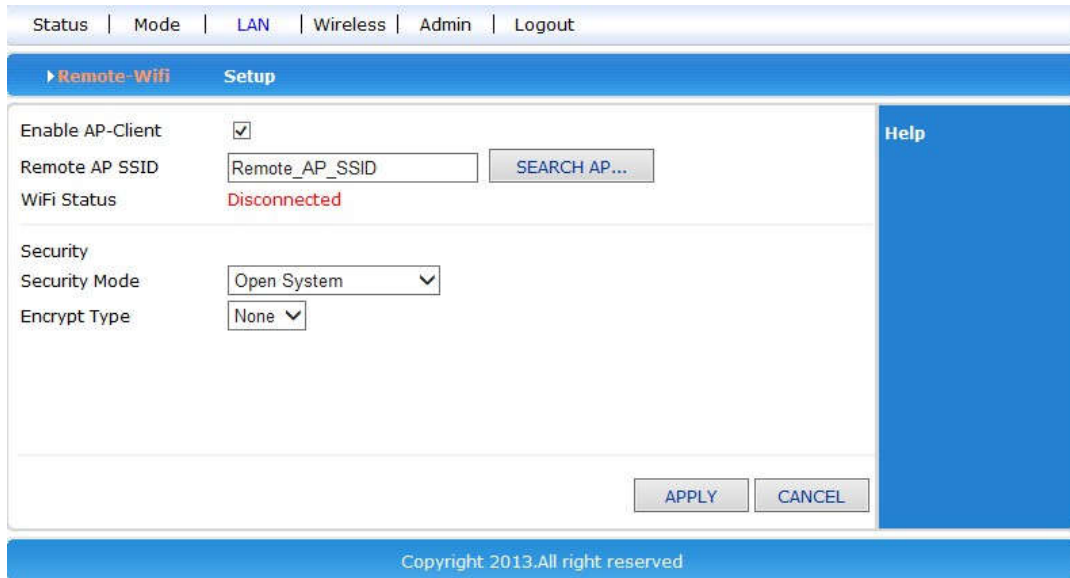
The screenshot shows a web interface with a navigation bar at the top containing 'Status', 'Mode', 'LAN', 'Wireless', 'Admin', and 'Logout'. Below the navigation bar is a 'Mode' section with a 'Device Work Mode' configuration area. This area contains four radio button options, each with a diagram and a description:

- 3G/4G Wireless Router Mode**
Wireless and ethernet port connect to local network, The 3G/4G USB modem connect to internet.
Diagram: User PC connected to a router, which is connected to a 3G USB Modem, a Mobile ISP tower, and the Internet.
- Standard Wireless Router Mode**
Wireless connect to local network, The ethernet connect to internet.
Diagram: User PC connected to a router, which is connected to an xDSL Modem and the Internet.
- Standard Wireless AP and APClient Bridge Mode**
Wireless work for access point, APClient connect remote AP, Ethernet connect to local network.
Diagram: User PC connected to a router, which is connected to a Router/Switch, an xDSL Modem, and the Internet.
- Wireless AP Client Mode**
Ethernet Wireless connect PC or local network, Another Wireless Interface work for a WAN port connect to other wireless AP or router.
Diagram: User PC connected to a router, which is connected to a Wifi AP / Router and the Internet.

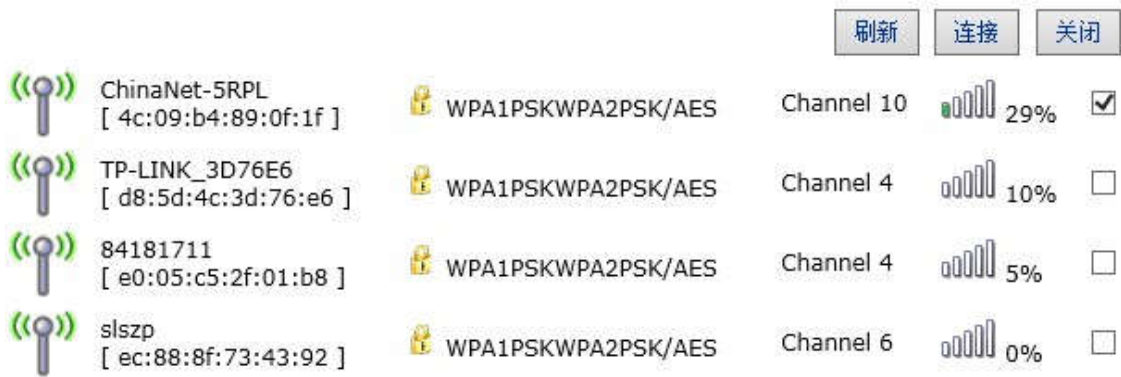
At the bottom of the configuration area are 'APPLY' and 'CANCEL' buttons. On the right side of the interface is a blue 'Help' sidebar with the following text:

Help
WorkMode:
Choice the device work mode. if choice 'Smart Mode', The device will detect wan mode automatically. The priority as: 3G/4G --> DHCP --> PPPoE --> AP-Client. Please input parameters in different mode at first.

- Click LAN setting button, Search for Wireless netwo



- You can see the name of wireless AP within current coverage range, Choose wireless AP accordingly.



- Fill wireless AP password chose, then you can bridge connection former Wireless AP

Status | Mode | LAN | Wireless | Admin | Logout

▶ Remote-Wifi Setup

Enable AP-Client

Remote AP SSID

Security

Security Mode

WPA-PSK

Encrypt Type TKIP AES TKIPAES

WPA-PSK Key

Help

2.4 wireless AP+Customer end mode

Web – working mode – Wireless AP+ Customer end mode , click apply.

Wireless connection –Use menu of Internet ways to choose AP client – Dynamic address (Get from DHCP server automatically , Click and search Wireless Internet, Then it will pop-up choice dialogue box that search for all wireless network .Choose WiFi network you want to connect . Pay attention to channel's IP you want to select net , click and connect. If the WiFi you chosen has password,Pls fill in password accordingly under Wireless security. Pay attention that the password is character or hexadecimal. Then press apply button.

Web –wireless setting - choose Channel accordingly in wireless channel .

The screenshot displays a web-based configuration interface for a wireless AP. At the top, there is a navigation menu with tabs: Status, Mode, Wifi-WAN, VPN, LAN, Wireless, Security, Server, Routing, Admin, and Logout. Below this, a secondary menu highlights 'Setup', 'Break-Detection', 'MAC-Clone', and 'DDNS'. The main content area is titled 'WAN Setup' and includes the following fields and options:

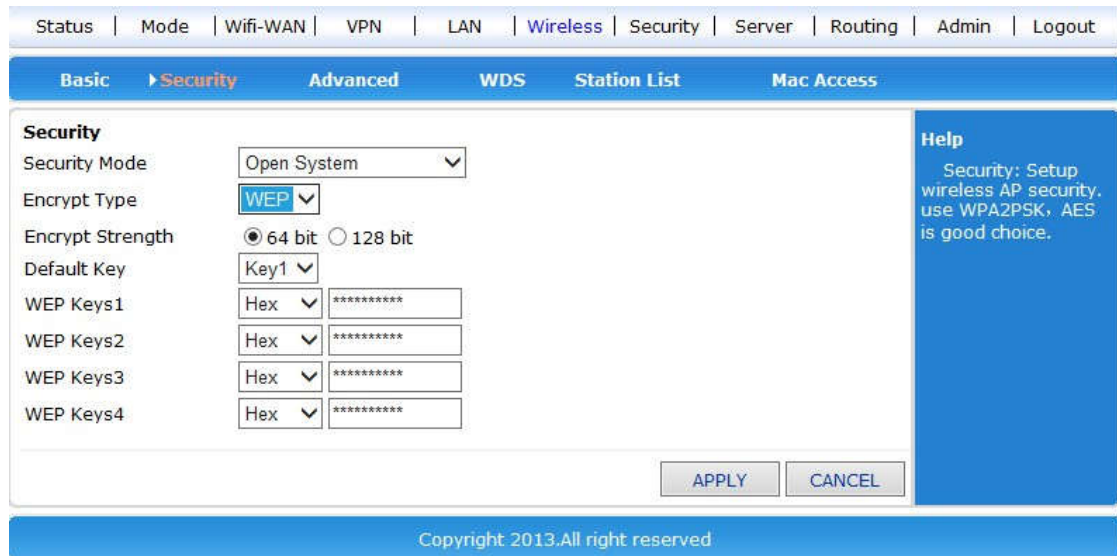
- Connection Type:** A dropdown menu set to 'ApClient-DHCP'.
- MTU:** A text input field containing '1500', with '(576~1500)' to its right.
- Primary DNS Server:** An empty text input field with '(Optional)' to its right.
- Secondary DNS Server:** An empty text input field with '(Optional)' to its right.
- Hostname:** An empty text input field with '(Optional)' to its right.
- Remote AP SSID:** A text input field containing 'D-Link_DIR-629' and a 'SEARCH AP...' button to its right.
- WiFi Status:** A section header.
- Security:** A section header.
- Security Mode:** A dropdown menu set to 'WPA1PSKWPA2PSK'.
- WPA-PSK:** A section header.
- Encrypt Type:** Radio buttons for 'TKIP', 'AES', and 'TKIPAES', with 'TKIPAES' selected.
- WPA-PSK Key:** An empty text input field.

At the bottom right of the configuration area are 'APPLY' and 'CANCEL' buttons. A blue sidebar on the right contains a 'Help' section with the text: 'Setup wireless client interface obtain IP from another AP,Click 'Search AP' will show AP's around the device.' At the very bottom of the page, a blue footer contains the text 'Copyright 2013.All right reserved'.

3. Wireless safety

3.1 Open system

There are two types of encryption :None and WEP



Description listed as below:

Web item	Description
Encryption type	Only two encryption type to choose:None and WEPChoose"None"means no encryption,choose" WEP" showed as aboved
the length of WEP encryption	Only two length of WEP encryption types to choose : 64bit and 128bit。 Default length :64bit。
Default key ID	you can 4 WEP keys ,but only choose 1 key in use .Default key is Key 1
WEP Key	Choose key type and set WEP key number 。 There are two types of WEP key:sexadecimal type and character type。 You can set different Wep key based on different encryption length and type .

WEP key setting :

64bit encryption : 10 unit sexadecimal or 5 unit character type.

128bit encryption : 26 unit sexadecimal or 13 unit character type.

3.2 WPA

This safe mode offer WPA-PSK encryption and Raduis server certification

The screenshot shows a web interface for configuring wireless security. At the top, there is a navigation bar with links: Status, Mode, 3G/4G, VPN, LAN, Wireless, Security, Server, Routing, Admin, and Logout. Below this is a secondary navigation bar with tabs: Basic, Security (selected), Advanced, WDS, Station List, and Mac Access. The main content area is titled "Security" and contains the following fields:

- Security Mode: WPA2-PSK (dropdown menu)
- WPA-PSK section:
 - Encrypt Type: TKIP, AES, TKIPAES
 - WPA-PSK Key: 12345678 (text input field)
 - Rekey Interval: 3600 second(s) (text input field)

At the bottom right of the form are "APPLY" and "CANCEL" buttons. A blue "Help" sidebar on the right contains the text: "Security: Setup wireless AP security. use WPA2PSK, AES is good choice." The footer of the page reads "Copyright 2013.All right reserved".

3.3 WPA-PSK

This mode is WPA-PSK encryption mode

The screenshot shows a web interface for configuring wireless security. At the top, there is a navigation bar with links: Status, Mode, 3G/4G, VPN, LAN, Wireless, Security, Server, Routing, Admin, and Logout. Below this is a secondary navigation bar with tabs: Basic, Security (selected), Advanced, WDS, Station List, and Mac Access. The main content area is titled "Security" and contains the following fields:

- Security Mode: WPA-PSK (dropdown menu)
- WPA-PSK section:
 - Encrypt Type: TKIP, AES, TKIPAES
 - WPA-PSK Key: 12345678 (text input field)
 - Rekey Interval: 3600 second(s) (text input field)

At the bottom right of the form are "APPLY" and "CANCEL" buttons. A blue "Help" sidebar on the right contains the text: "Security: Setup wireless AP security. use WPA2PSK, AES is good choice." The footer of the page reads "Copyright 2013.All right reserved".

Description listed as below:

Web item	Description
Safe mode	Choose WPA-PSK。
WPA-PSK encryption	Only two choice : TKIP and AES。
WPA-PSK Key	Set key , legal key length :8-63 ASCII characters or 64 sexadecimal (0~9、a~f or A~F)。
Key update interval	Set key interval updating time . the unit is as per second.

3.4 WPA2-PSK

The screenshot shows a web-based configuration interface for wireless security. The top navigation bar includes links for Status, Mode, WAN, VPN, LAN, Wireless, Security, Server, Routing, Admin, and Logout. Below this, there are tabs for Basic, Security (selected), Advanced, Station List, and Mac Access. The Security section is active, displaying the following settings:

- Security Mode:** WPA2-PSK (selected from a dropdown menu)
- WPA-PSK Encrypt Type:** TKIP, AES (selected), TKIPAES
- WPA-PSK Key:** 12345678 (with a note: (8-63 ASCII characters, or 64 hexadecimal characters <0-9 or a-f, A-F>))
- Rekey Interval:** 3600 second(s)

At the bottom right of the configuration area, there are 'APPLY' and 'CANCEL' buttons. A blue 'Help' sidebar on the right contains the text: 'Security: Setup wireless AP security. use WPA2PSK, AES is good choice.' The footer of the interface reads 'Copyright 2013.All right reserved'.

Description listed as below:

Web item	Description
Safe mode	Choose WPA2-PSK。
WPA-PSK encryption	Only three choice : TKIP,AES and TKIPAES。
WPA-PSK Key	Set key , legal key length : 8-63 ↑ ASCII character or 64 sexadecimal (0~9、a~f or A~F)。
Key update interval	Set key interval updating time . the unit is as per second.

3.5 WPAPSKWPA2PSK

The screenshot shows a web-based configuration interface for wireless security. At the top, there is a navigation bar with tabs: Status, Mode, WAN, VPN, LAN, Wireless, Security, Server, Routing, Admin, and Logout. Below this is a secondary navigation bar with tabs: Basic, Security (selected), Advanced, Station List, and Mac Access. The main content area is titled 'Security' and contains the following fields:

- Security Mode:** A dropdown menu set to 'WPA-PSK/WPA2-PSK'.
- WPA-PSK Encrypt Type:** Radio buttons for TKIP, AES (selected), and TKIPAES.
- WPA-PSK Key:** A text input field containing '12345678'. Below it is a note: '(8-63 ASCII characters, or 64 hexadecimal characters <0-9 or a-f, A-F>)'.
- Rekey Interval:** A text input field containing '3600' followed by the unit 'second(s)'.

At the bottom right of the configuration area are two buttons: 'APPLY' and 'CANCEL'. To the right of the configuration area is a blue 'Help' box with the text: 'Security: Setup wireless AP security. use WPA2PSK, AES is good choice.' At the very bottom of the page is a blue footer bar with the text: 'Copyright 2013.All right reserved'.

Description listed as below:

Web item	Description
Safe mode	Choose WPA2-PSK.
WPA-PSK encryption	Only three choice : TKIP,AES and TKIPAES.
WPA-PSK Key	Set key , legal key length : 8-63ASCII characters or 64 sexadecimal (0~9、a~f or A~F).
Key update interval	Set key interval updating time . the unit is as per second.

4. System service

Here we mainly describe Virtual server ,serial service and SMS service.



4.1 Virtual service

Treat 4G router as a Internet server, offer many service function, Only need to fill right IP address of external connector,internal connector and internal server . then it can be used as virtual service

Virtual Server Settings

Preset Settings: WEB(http) (port: 80) ▾

service name: WEB

external Port: 80 -- 80

Internal Port: 80 -- 80

Internal Server IP: 192.168. 10 . 50

ADD

DELETED

DELETE-ALL

APPLY CANCEL

4.2 Serial Port

One main functions of 4G router is used as serial port server (customer end), Here, we can connect many serial ports.

Status | Mode | WAN | VPN | LAN | Wireless | Security | **Server** | Routing | Admin | Logout

Virtual-Server | DMZ | **Com2Server** | Sms | WIFI DOG

COM Server Setup

COM Server AT Mode Transparent

Host ID

Restart Time Mins restart.(0--Disabled)

Client Mode

	Server Addr	Protocol	TCP port	UDP port
1.	<input type="text" value="192.168.10.254"/>	<input type="button" value="TCP&UDP"/>	<input type="text" value="5000"/>	<input type="text" value="5000"/>
2.	<input type="text"/>	<input type="button" value="TCP&UDP"/>	<input type="text" value="5001"/>	<input type="text" value="5001"/>
3.	<input type="text"/>	<input type="button" value="TCP&UDP"/>	<input type="text" value="5002"/>	<input type="text" value="5002"/>
4.	<input type="text"/>	<input type="button" value="TCP&UDP"/>	<input type="text" value="5003"/>	<input type="text" value="5003"/>
5.	<input type="text"/>	<input type="button" value="TCP&UDP"/>	<input type="text" value="5004"/>	<input type="text" value="5004"/>

Server Mode

COM configuration

Baud

Parity

FlowCtl

data/stop BIT

cachePolicy

CacheTimespan milliseconds

Help

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Regarding to this content of this chapter, we will give brief description

4.3 SMS service

We can send SMS to T260S router and control the start,close and restart by setting telephone number if T260S have 3G/4G SIM card for sending and receiving messages.The details listed below :

Sms Service	
Sms center number	<input type="text"/> Optional
Access user phone 1	<input type="text"/>
Access user phone 2	<input type="text"/>
Access user phone 3	<input type="text"/>
Access user phone 4	<input type="text"/>
Access user phone 5	<input type="text"/>
Inform	<input type="checkbox"/> Enable
Access	<input type="checkbox"/> Enable
Message	<input type="text"/>
<input type="button" value="APPLY"/> <input type="button" value="CANCEL"/>	

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5. Admin

5.1 Equipment function

Windows ME,2000,XP use UPnP Protocols. These systems can find router automatically by this Protocols if we start this function.

UPnP (Universal Plug and Play , namely is use immediately when you plug) is mainly used for realizing intelligent connection and communication for equipment, There is no need t attending and using main server for users to find automatically and control from different types web equipments of different suppliers

Use UPnP function, Router can realize NAT order came cross:when the computer in the LAN came through.

Wireless Router can add ,delete NAT mapped table automatically based on requirement when

Wireless router communicate with Internet .And then it can solve some traditional businesses (such as MSN vocie a,vedion) can't come cross NAT problems.



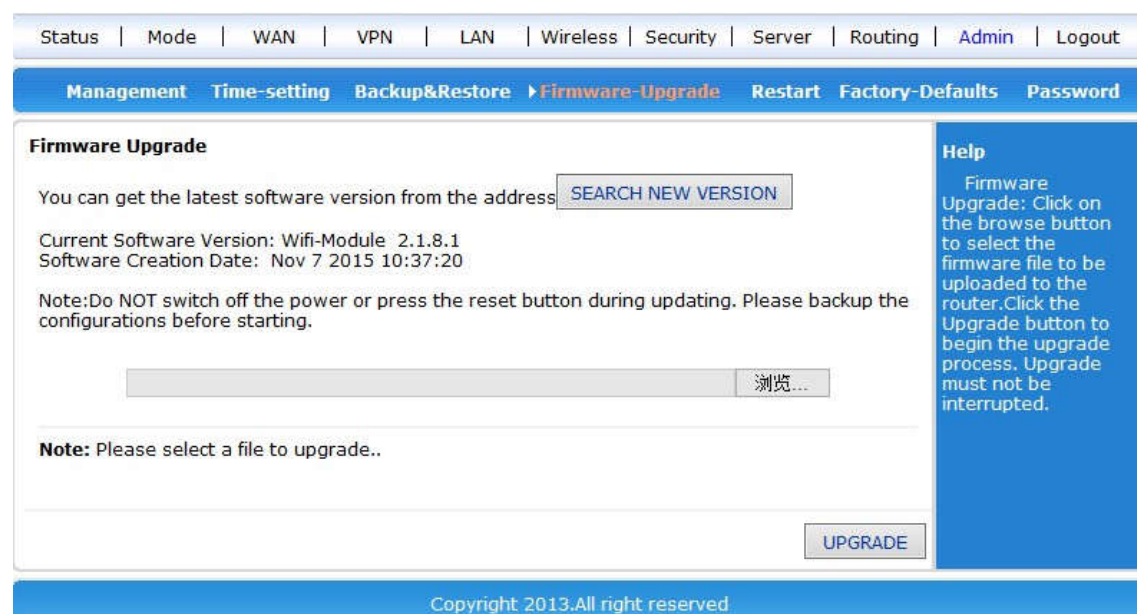
Tick radio box, press “apply” button ,and completed setting

5.2 Software updating

you can download the newest software router to get more and more functions and stable parameters by updating software.

The procedure for updating software listed as below : (1): Store the updating files to your computer.

(2): Click “scan”button to choose the software your need to upgrade. (3):Click “upgrading” button, and start to upgrade.



5.3 Default to factory value.

The Wireless router will restart automatically when is in the process of recovery setting.

Default to factory value setting will clear all wireless Router setting information, and back to the first use status. This function is widely used for transforming equipment from one internet environment to the other internet environment. Set the equipment default to factory value. Then it can reset setting. It will be suitable for current internet.

Click <default to factory value> button, Confirm it and then Default to factory setting.

5.4 Password management

Blank wireless router user name/password is admin, User name can't be revised, Password can be revised. In order to be more safe ,advise revise password and keep password information

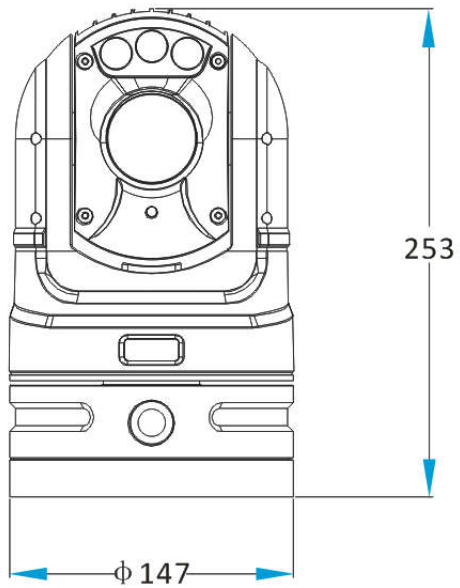
The process listed as below :

(1) fill the original password in the <original password> radio box; Fill the new password in the <new password> text box, Refill the new password in the <confirm password> and confirmed it .

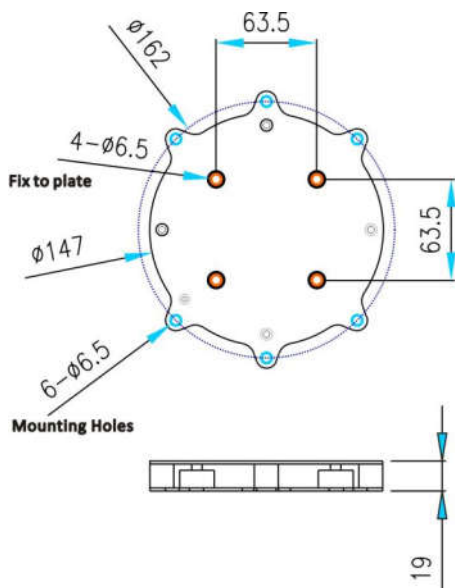
(2) Click <confirm> button, completed the password revision.

Installation

Fixed Mounts :



PTZ Dimension(:mm)



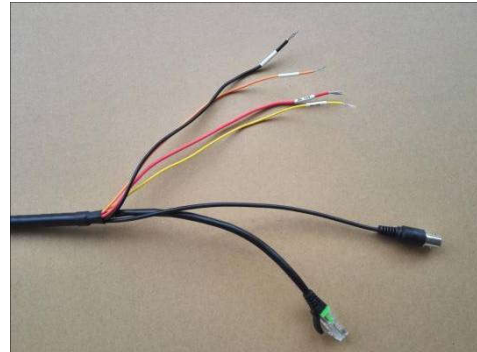
Mounting Plate(:mm)

Installation Overview

Disassembly of the camera is not required for installation. Disassembling the camera can cause permanent damage and will void the warranty.

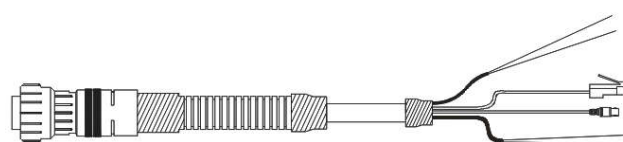
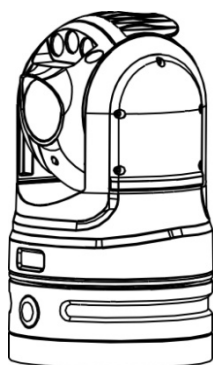
In most installations, the camera will be connected via a System Cable and a Break-Out Connector Cable. The breakout cable provides the following connections (labels given in parentheses):

- BNC for composite video (VIDEO BNC)
- RJ45 Ethernet (ETHERNET RJ45)
- power with 2 terminal rings (DC 12V, GND)
- communication control rings (RS 485+, RS485-)



Each breakout end of the cable (away from the camera) must be protected from the weather.

Camera Connections:



Net Port
 BNC
 DC12V
 Orange : RS 485 +
 Yellow : RS485 -

12Pin Cable: Pin Definition	
1,2	Power +
3, 4	Power -
5	Video -
6	Video +
7, 8, 9, 10	RJ45, 1,2, 3, 6
11	RS485 +
12	RS485-

Camera Mounting

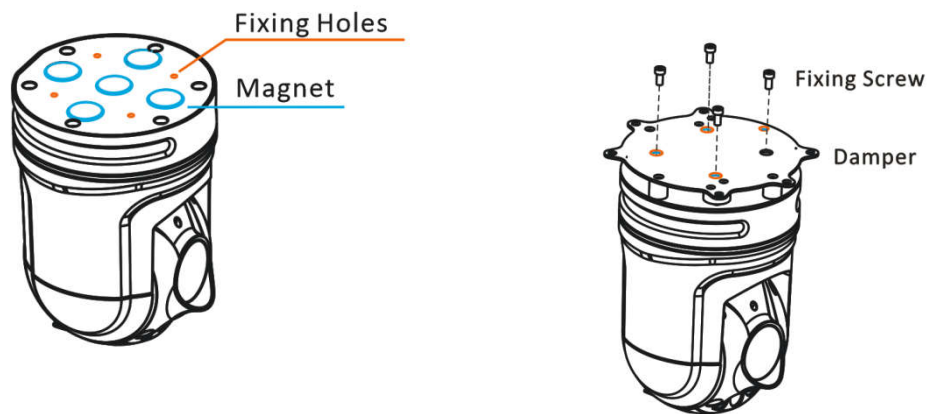
General installation information vehicle PTZ is given below:

Firmly secure the camera to a designated frame or structure capable of supporting the camera, using the mounting pattern shown below.

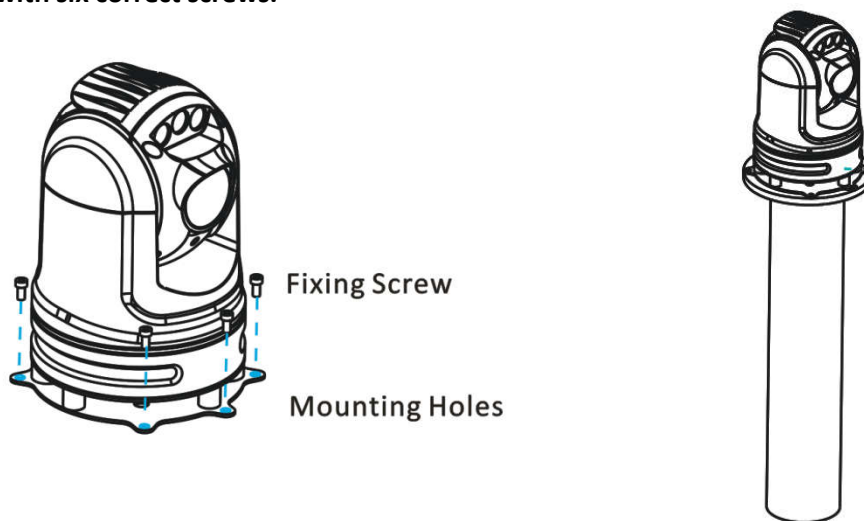
(For temporary deployment, skip this step)

The SOAR971 enclosure can be mounted to a mast mount, pedestal mount.

1. **Take the damper out of packing and fix it to the ptz plate (with magnet), with Four correct screws.**



2. **Put the above unit onto the installation plate. Make sure six mounting holes are in position with the mast/vehicle bracket. Fix the PTZ to the mounting place as per with six correct screws.**



connect the cable with monitor, control device, power source.